

P **Ferula assa-foetida**

Common Name(s)

Asafetida, Asafetida (Sp.), Asafoetida, Assa-foetida, Devil's Dung, Stinkasant (Ger.), test

How Used

G

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	1-(1-METHYL-THIO-PROPYL)-1-PROPENYLDISULFIDE	Gum	--	--		
0	1-(METHYLTHIO)-PROPYL-1-PROPYNL-DISULFIDE	Gum	--	--		
0	1-(METHYLTHIO)-PROPYL-CIS-1-PROPYNL-DISULFIDE		Essential Oil	190000 380000		
0	1-METHYLPROPYL-1-PROPYNL-DISULFIDE	Gum	--	--		
0	1-METHYLPROPYL-3-(METHYLTHIO)-2-PROPYNL-DISULFIDE	Gum	--	--		
0	2-BUTYL-3-METHYL-THIO-ALLYLDISULFIDE	Gum	--	--		
0	2-BUTYL-TRANS-1-PROPYNL-DISULFIDE		Essential Oil	110000 450000		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	2-BUTYLMETHYL-DISULFIDE	Gum	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.	
0	2-BUTYLMETHYL-DISULFIDE	Essential Oil	--	--		
0	2-BUTYLMETHYL-TETRASULFIDE	Gum	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.	
0	2-BUTYLMETHYL-TRISULFIDE	Gum	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.	
0	2-BUTYLMETHYL-TRISULFIDE	Essential Oil	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	2-BUTYLPROPENYLDISULFIDE	Gum	--	--		
0	5-ALPHA-(3,4-DIACETOXYBENZOYL)-9-BETA-ANGELOXY-JAESCHKEANADIOL Rhizome	--	190			
0	5-ALPHA-(3-METHOXY-4-HYDROXYBENZOYL)-JAESCHKEANADIOL	Rhizome	--	1200		
0	5-ALPHA-(4-HYDROXYBENZOYL)-9-BETA-ANGELOXY-JAESCHKEANODIOL	Rhizome	--	260		
0	5-ALPHA-(P-HYDROXYBENZOYL)-JAESCHKEANADIOL	Rhizome	--	1500		
0	5-HYDROXYUMBELLIPRENIN	Gum	--	363		
0	8-ACETOXY-5-HYDROXYUMBELLIPRENIN	Gum	--	175		
0	8-HYDROXYUMBELLIPRENIN	Gum	--	1550		
0	9-BETA-HYDROXY-JAESCHKEANADIOL	Rhizome	--	470		
0	9-HYDROXYUMBELLIPRENIN	Gum	--	388		
0	ALLYLPROPYL-SULFIDE	Gum	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.	
11	ALPHA-PHELLANDRENE	Essential Oil	--	--		
28	ALPHA-PINENE	Seed Essent. Oil	--	14300	-0.6432551188420427	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
28	ALPHA-PINENE		Essential -- Oil	--		
28	ALPHA-PINENE	Gum	--	143000		
23	ALPHA-TERPINEOL		Seed Essent. Oil	--	127100	0.07775930700042463
0	ARABINOSE	Gum	--	--		
0	ASACOUMARIN-A		Resin, Exudate, Sap	--	30	
0	ASACOUMARIN-A	Gum	--	--		
0	ASACOUMARIN-B	Gum	--	--		
0	ASACOUMARIN-B		Resin, Exudate, Sap	--	62	
0	ASADISULFIDE	Gum	--	--		
0	ASADISULFIDE		Resin, Exudate, Sap	--	47	
0	ASARESINOTANNOID-A	Gum	--	--		
0	ASARESINOTANNOID-B	Gum	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	ASARESINOTANNOL	Gum	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASARESINOTANNOL-A	Gum	--	--		
0	ASARESINOTANNOL-B	Gum	--	--		
0	ASH	Plant	15000	100000	-0.3796129196407384	
0	ASSAFOETIDIN	Gum	--	--		
10	AZULENE	Root	--	--		
0	BADRAKEMIN	Gum	--	1750		
0	BADRAKEMIN-ACETATE	Gum	--	1500		
0	BASSORIN	Gum	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	BETA-PINENE	Essential Oil	--	--		
0	BORNEOL-ACETATE	Seed Essent. Oil	--	93300	1	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	BUTYLPROPENYL-DISULFIDE		Essential 400000 Oil	450000		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	BYAKANGELICOL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	CADINENE		Essential -- Oil	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	COLADONIN	Gum	--	1250		
0	CONFEROL	Root	--	10		
3	CYNAROSIDE	Fruit	--	--		
0	DI-2-BUTYL-METHYL-TRISULFIDE		Essential -- Oil	--		
0	DI-2-BUTYLDISULFIDE		Essential -- Oil	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	DI-2-BUTYLtetrasulfide	Essential -- Oil	--			
0	DI-2-BUTYLtrisulfide	Essential -- Oil	--			
26	Diallyl-disulfide	Essential -- Oil	--			
0	Diallyl-sulfate	Essential -- Oil	--			
25	Diallyl-sulfide	Gum	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.	
25	Diallyl-sulfide	Essential -- Oil	--			
0	Dimethyl-trisulfide	Essential -- Oil	--			
0	EO	Gum	30000	170000	-0.5346418368427087	
0	Episamarcandin	Root	--	9		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	FARNESFEROL	Gum	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	FARNESFEROL-A	Gum	--	--		
0	FARNESFEROL-B	Gum	--	--		
0	FARNESFEROL-C	Gum	--	--		
0	FARNESIFEROL-A	Gum	--	6000		
0	FARNESIFEROL-B	Root	--	200		
0	FARNESIFEROL-B	Gum	--	--		
0	FARNESIFEROL-C	Root	--	19		
0	FARNESIFEROL-C	Gum	--	16666		
0	FEROCOLICIN	Gum	--	--		
0	FERUGININ	Rhizome	--	90		
61	FERULIC-ACID	Gum	--	--		
61	FERULIC-ACID	Essential Oil	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
61	FERULIC-ACID	Resin, Exudate, Sap	13000 13000			
0	FERULIC-ACID-ESTERS	Resin, Exudate, Sap	-- 600000		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.	
1	FOETIDIN	Root	-- 500			
1	FOETIDIN	Gum	-- --		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.	
0	FOLIFERIDIN	Gum	-- 500			
1	GALACTOSE	Gum	-- --			
1	GALBANIC-ACID	Gum	-- 20600			
0	GERANIOL-ACETATE	Essential Oil	-- --			
0	GERANIOL-ACETATE	Seed Essent. Oil	77100 1.385249454425996			

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
7	GLUCOSE	Gum	--	--		
4	GLUCURONIC-ACID	Gum	--	--		
0	GUM	Plant	250000	250000	1.4490023061725688	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	GUMMOSIN	Root	--	769		
0	GUMMOSIN	Gum	--	1500		
0	ISOBUTYLPROPANYLDISULFIDE	Essential Oil	--	--		Lawrence Review of Natural Products, Jan-93.
15	ISOPIMPINELLIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	JAESCHKEANADIOL	Rhizome	--	6100		
0	KAMOLONOL	Gum	--	1750		
0	KAMOLONOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	KARATAVICINOL	Gum	--	3000		
0	L-ARABINOSE	Gum	--	--		
27	LINOLEIC-ACID	Seed	--	128000	0.17888309199536606	
78	LUTEOLIN	Fruit	--	--		
0	MOGOLTADONE	Gum	--	--		
6	MYRISTIC-ACID	Seed Essent. Oil	--	212300	1	
18	OLEIC-ACID	Seed	--	53000	-0.5434090926367003	
0	OXYDASE	Plant	--	--		
0	PETROSELINIC-ACID	Seed	--	765000	0.9605421579988822	
4	PHELLANDRENE	Seed Essent. Oil	--	54800		
4	PHELLANDRENE	Gum	--	64000		
0	POLYANTHIN	Gum	--	--		
0	POLYANTHININ	Gum	--	1500		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	PROPYENYL-SULFIDE	Gum	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	RESIN	Plant	400000	640000	3.071537849584625	Tucker, A. O. and DeBaggio, T. 2000. The Big Book of Herbs. Interweave Press, Inc. Loveland, CO. 688 pp.
0	RHAMNOSE	Gum	--	--		
0	SAMARCANDIN-ACETATE	Gum	--	4000		
0	SEC-BUTYL-PROPYENYL-DISULFIDE	Resin, Exudate, Sap	4500	7650		Chemical Constituents of Oriental Herbs (3 diff. books)
0	SEC-BUTYL-PROPYENYL-DISULFIDE	Essential Oil	--	--		
0	SEC-BUTYL-PROPYL-DISULFIDE	Essential Oil	--	--		
22	UMBELLIFERONE	Gum	--	--		
22	UMBELLIFERONE	Essential Oil	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	UMBELLIFERONE-ETHERS	Gum	--	--	Leung, A. Y. and Foster, S.	1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	UMBELLIPRENIN	Root	--	23		
0	UNDECYL-SULFONYL-ACETIC-ACID	Resin Essent. Oil	--	188000		
9	VALERIC-ACID	Essential Oil	--	--	Leung, A.Y.,	Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
28	VANILLIN	Plant	600	600		